

FIG. 1

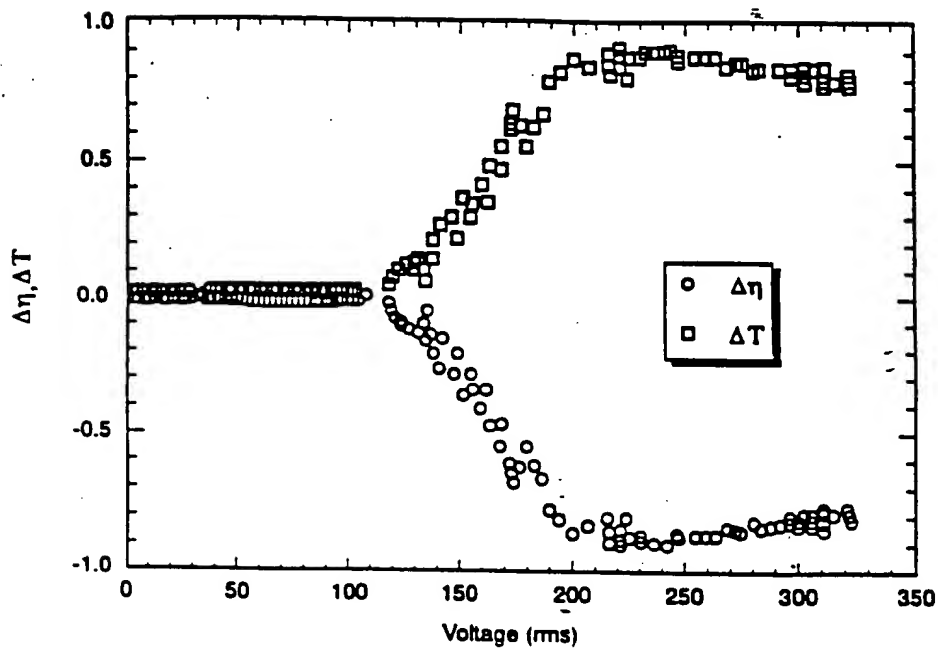


FIG. 2

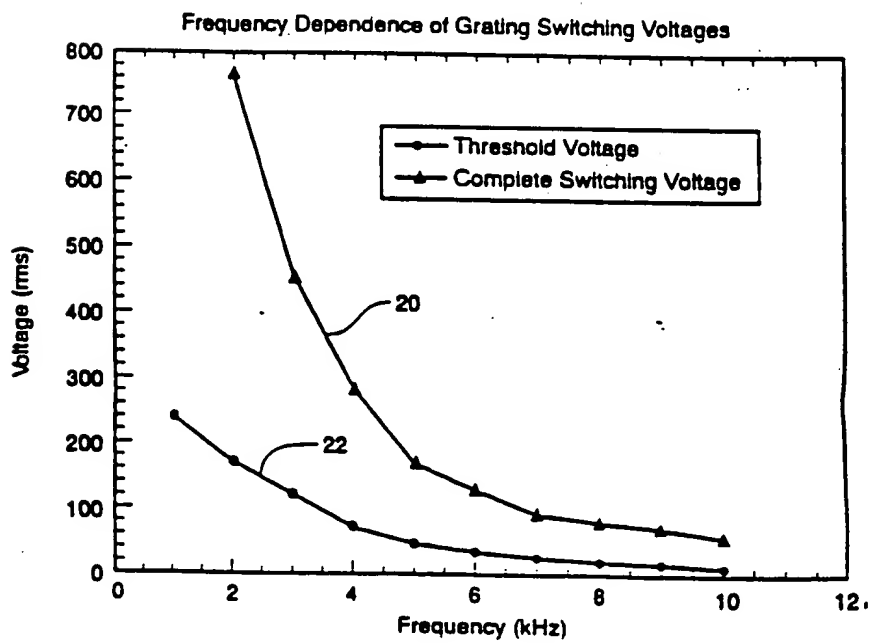


FIG. 3

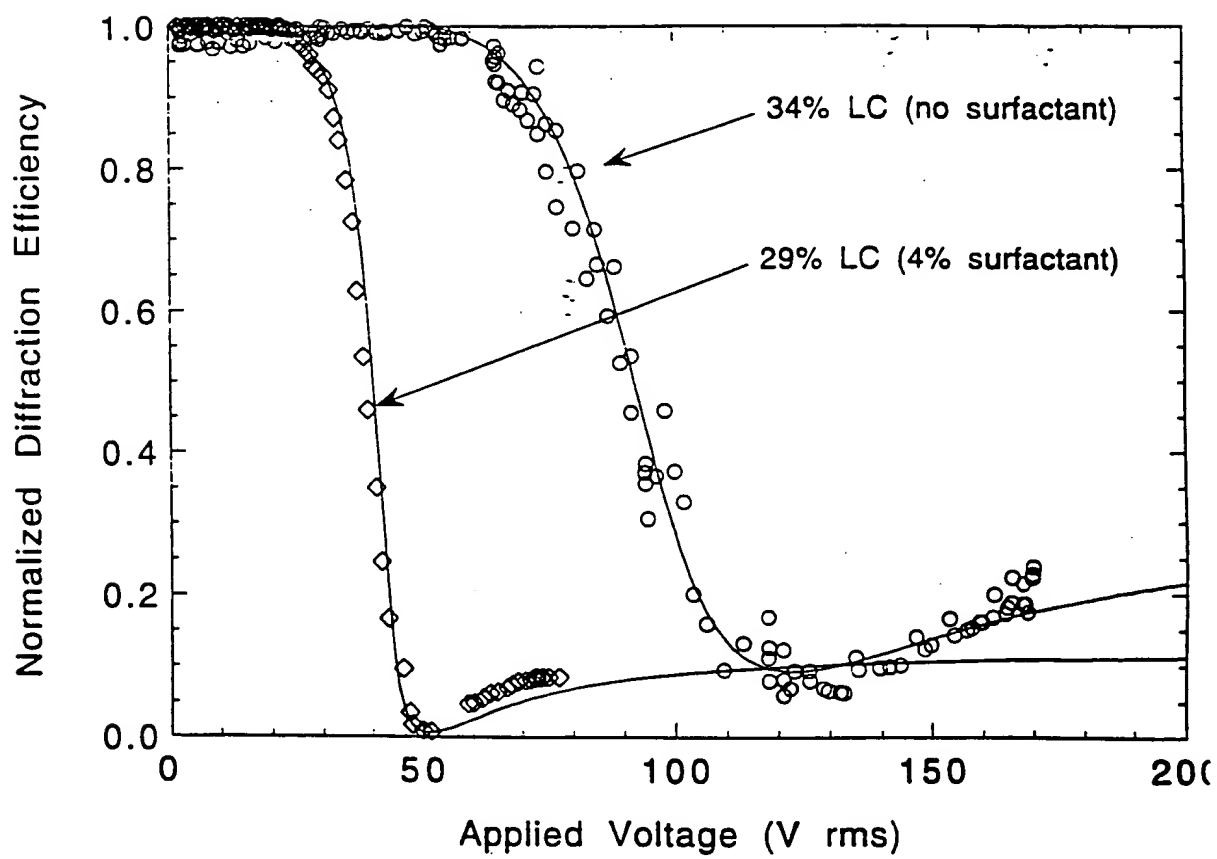
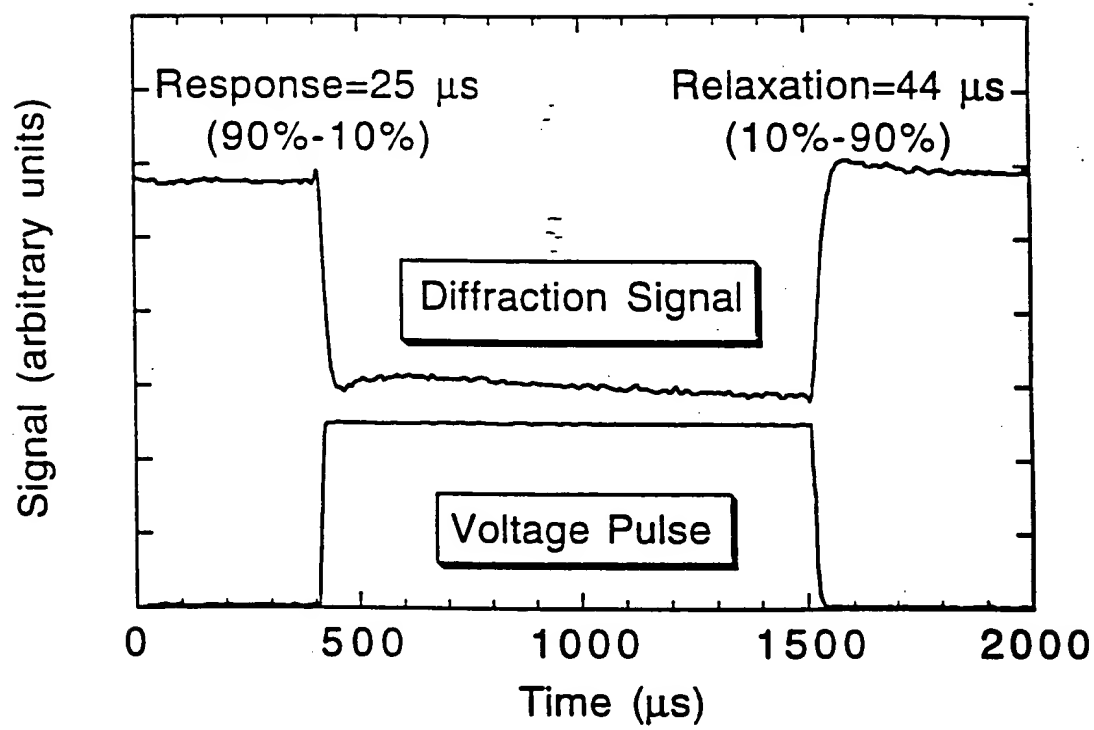


FIG. 4



**FIG. 5**

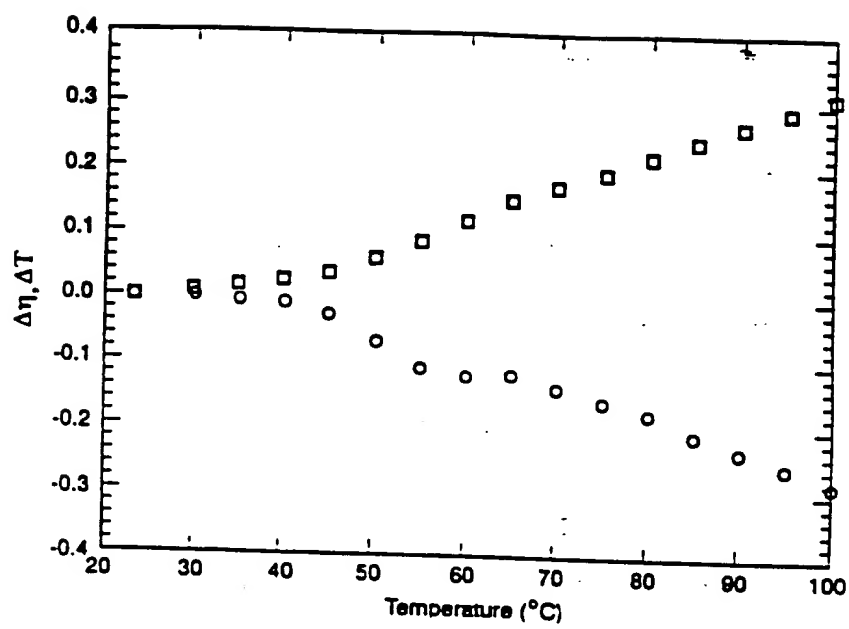
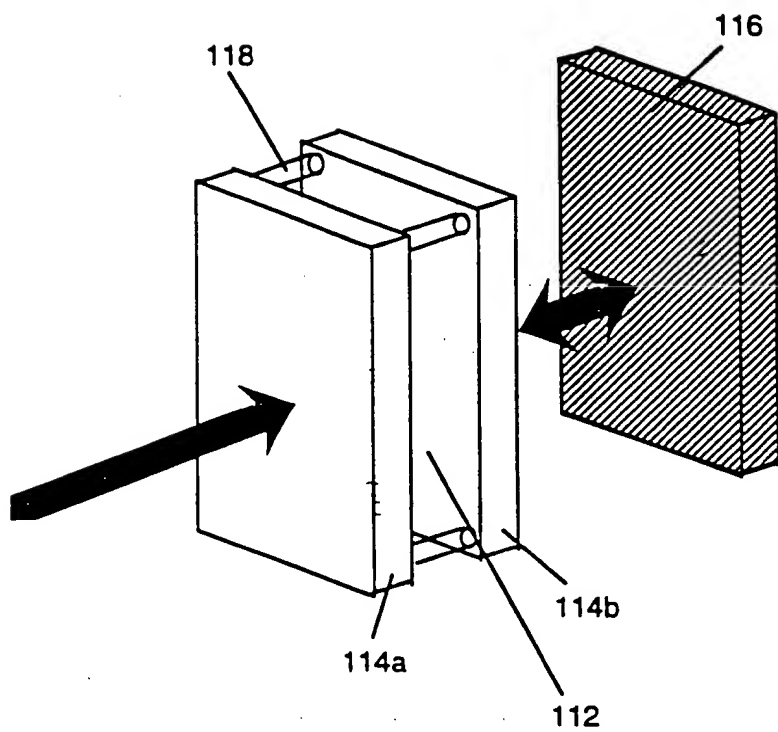
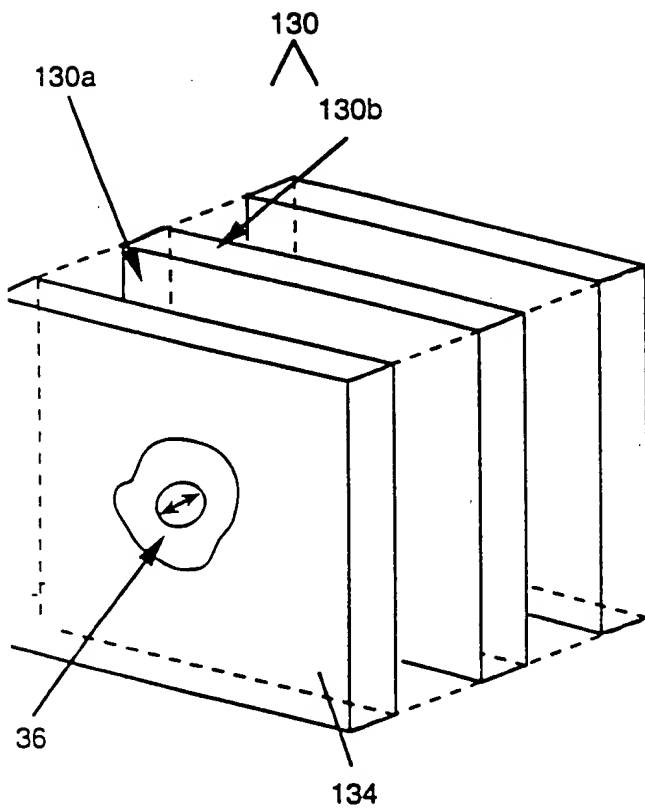


FIG. 6

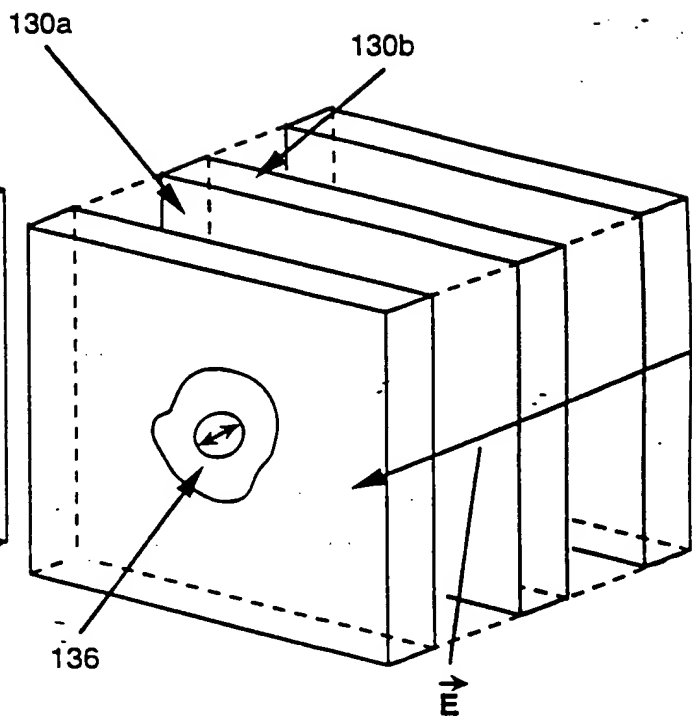


**FIG. 7**



**FIG. 8a**

Reflection Grating



**FIG. 8b**

09363169.02999 66220" 697E9E60

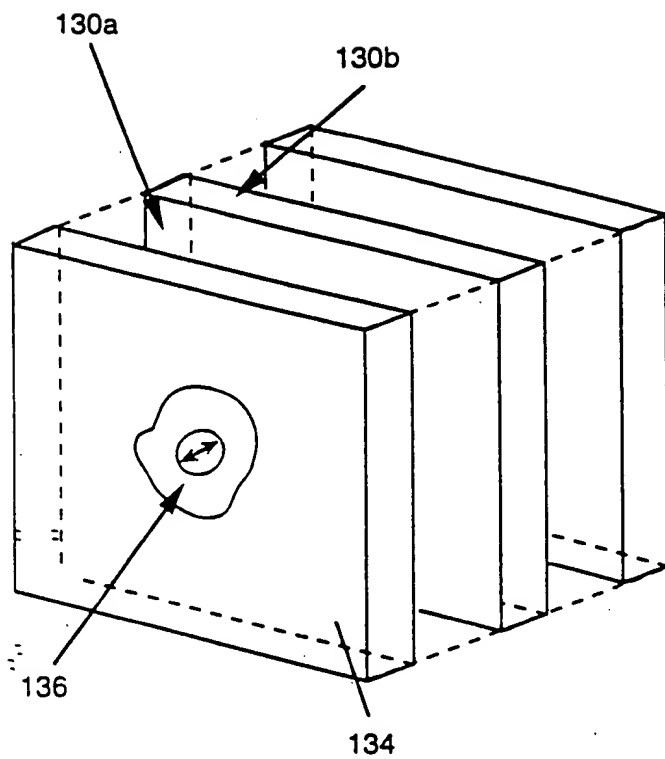


FIG. 9a

Reflection Grating

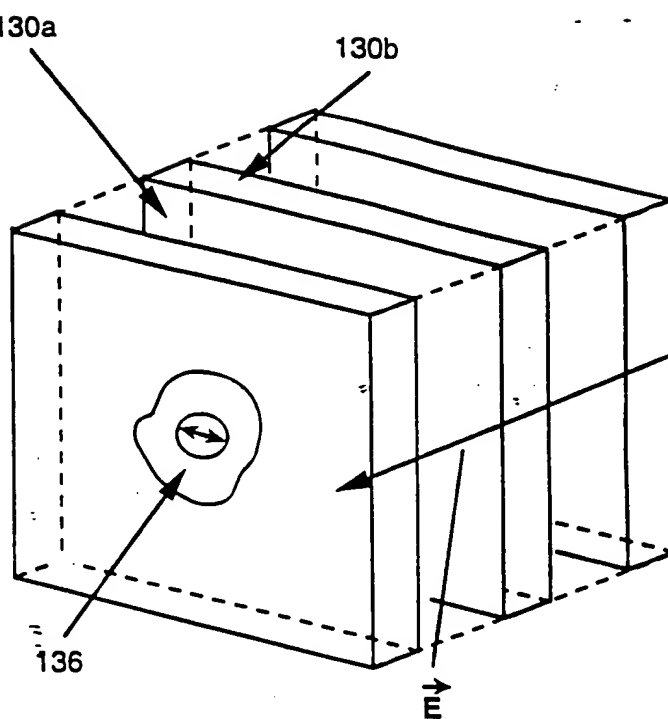


FIG. 9b



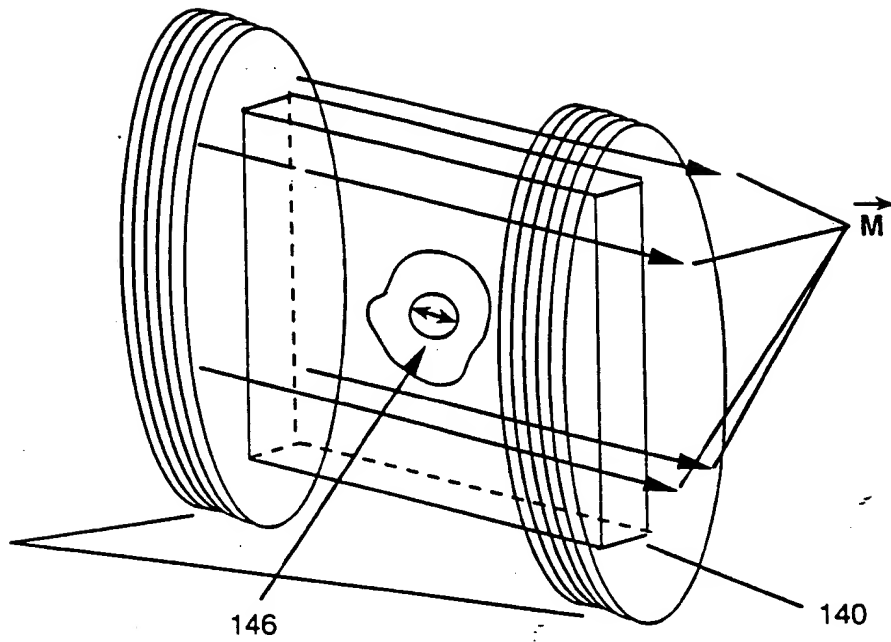


FIG. 10a

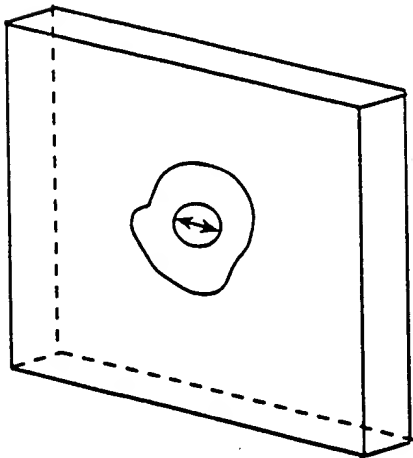


FIG. 10b

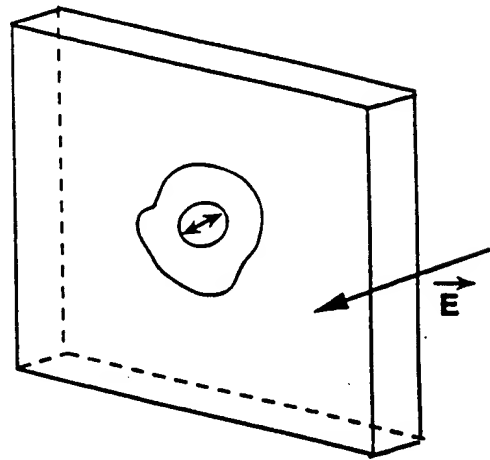
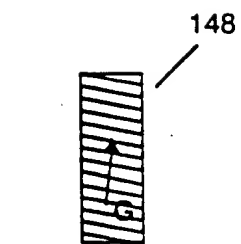


FIG. 10c

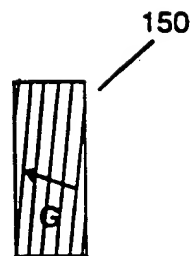
000220" 69TE9E60



transmission

**FIG. 11a**

Slanted



reflection

**FIG. 11b**

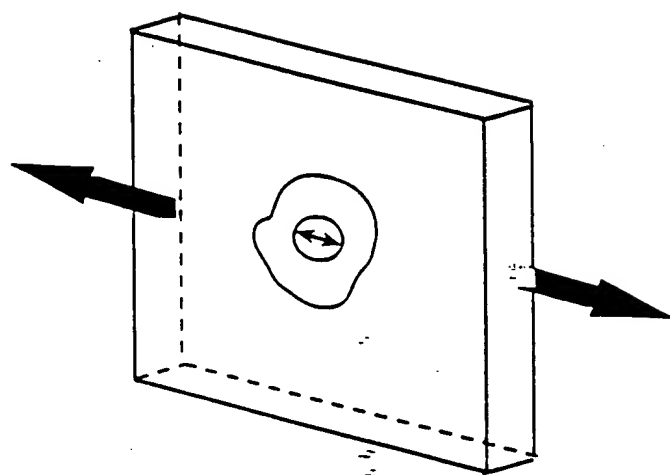


FIG. 12

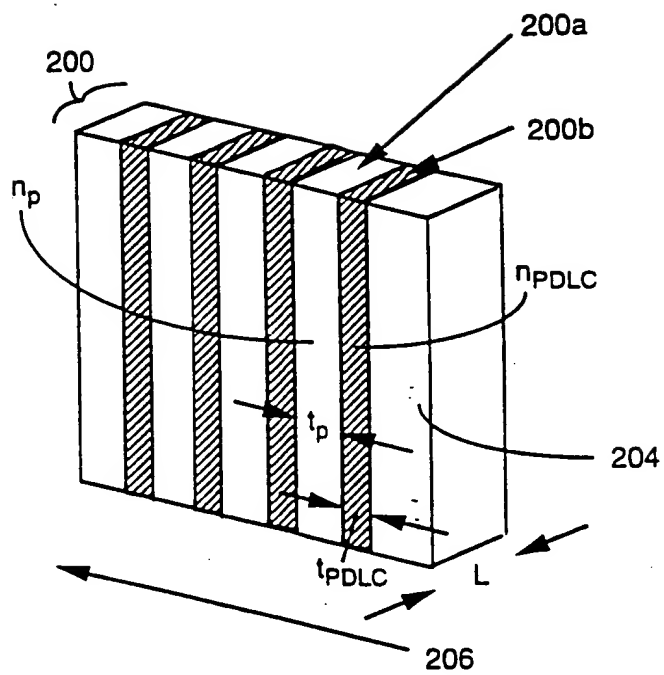


FIG. 13

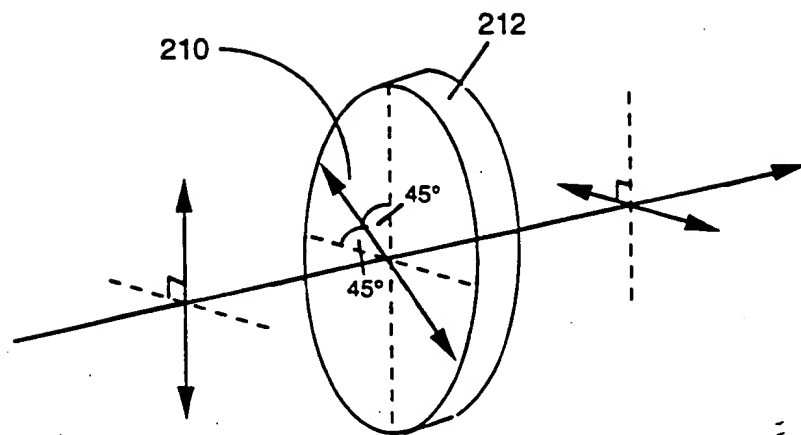


FIG. 14a

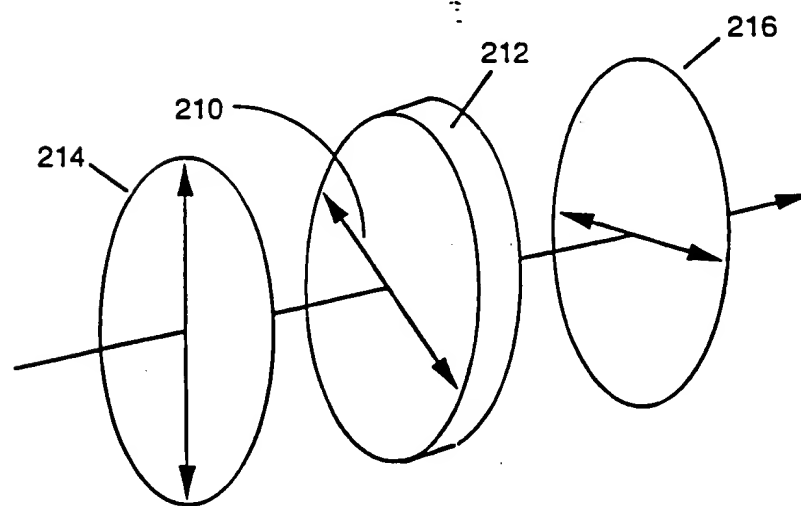


FIG. 14b

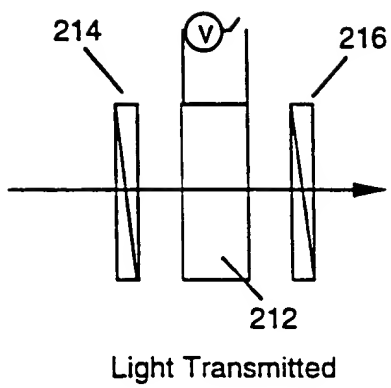


FIG. 14c

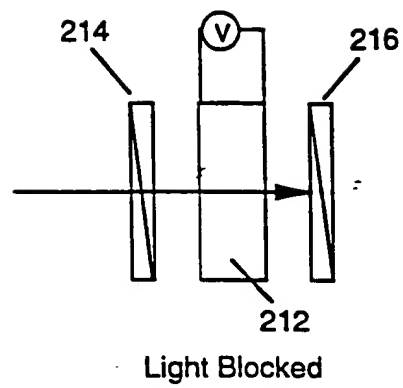
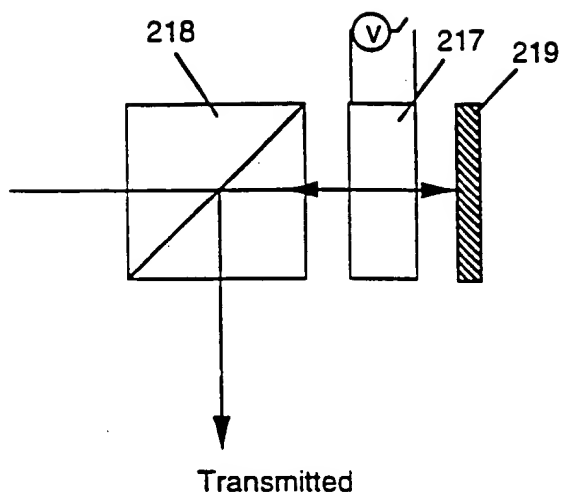
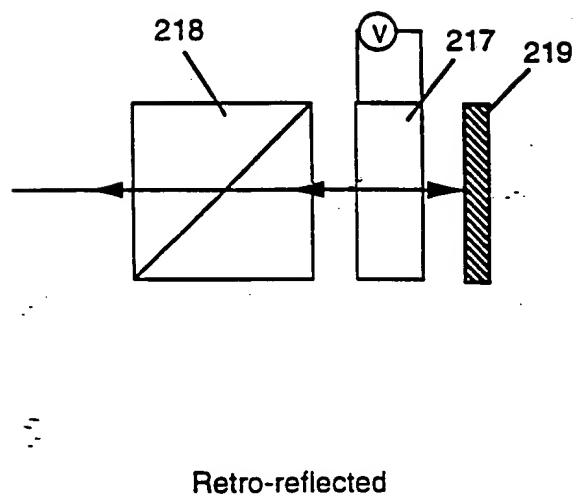


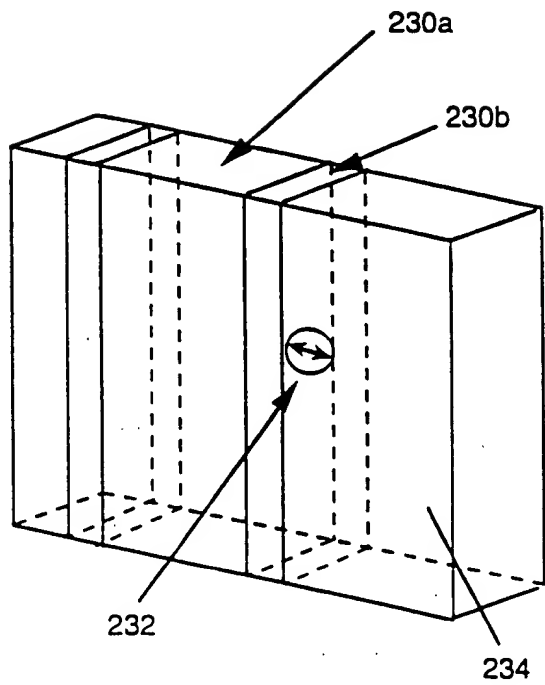
FIG. 14d



**FIG. 15a**

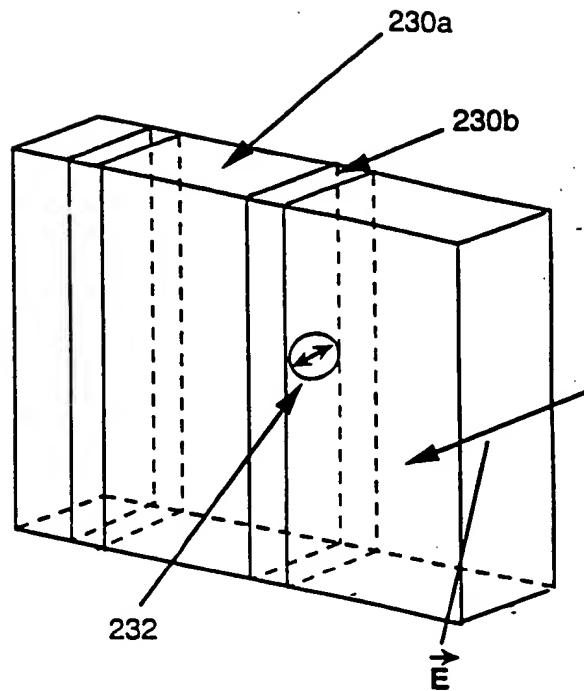


**FIG. 15b**



Unswitched State

FIG. 16a



Switched State

FIG. 16b



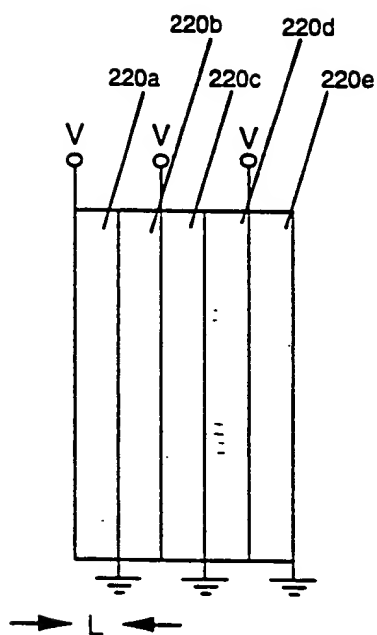


FIG. 17

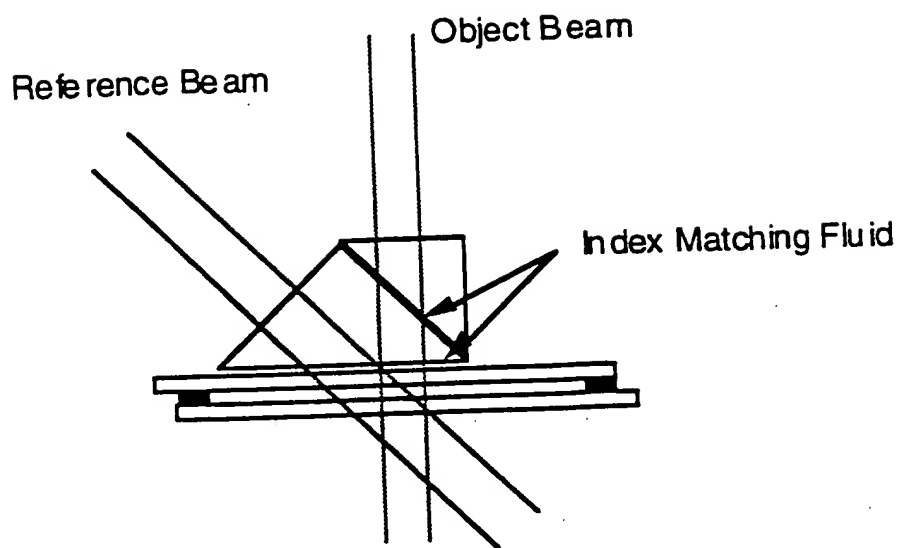


FIGURE 18

66240" STEELED

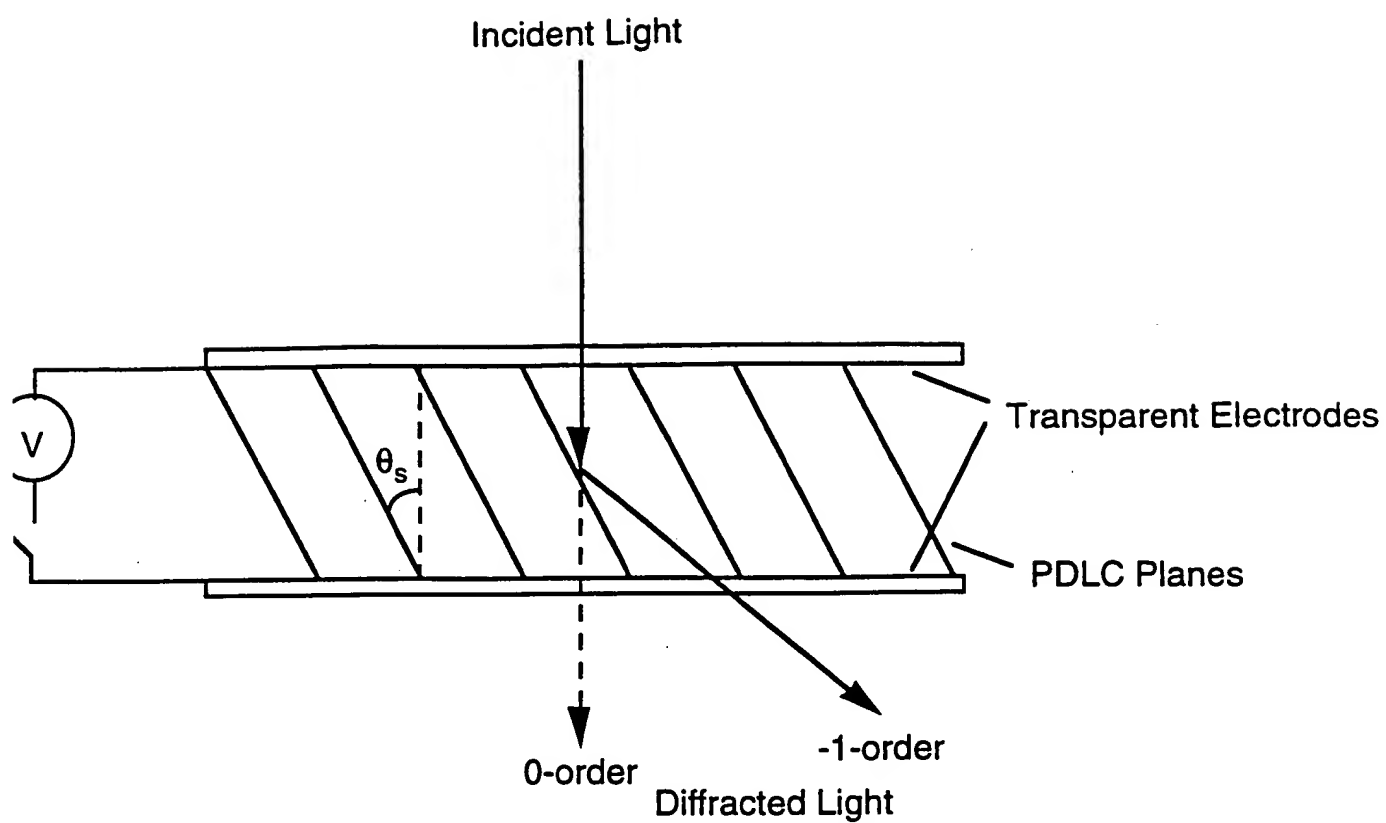


FIGURE 19

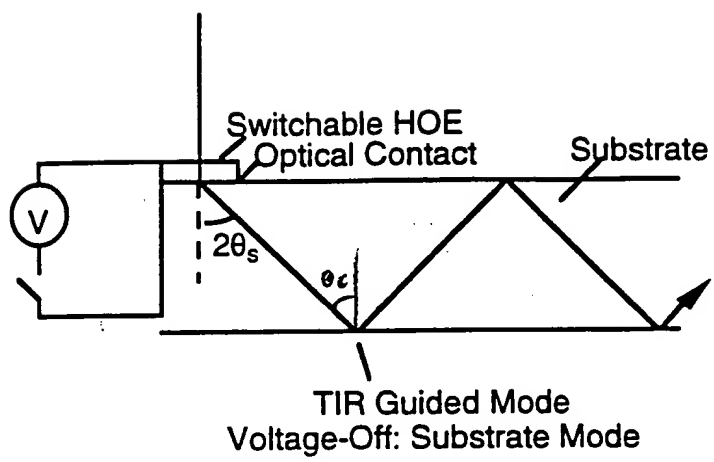


FIGURE 20

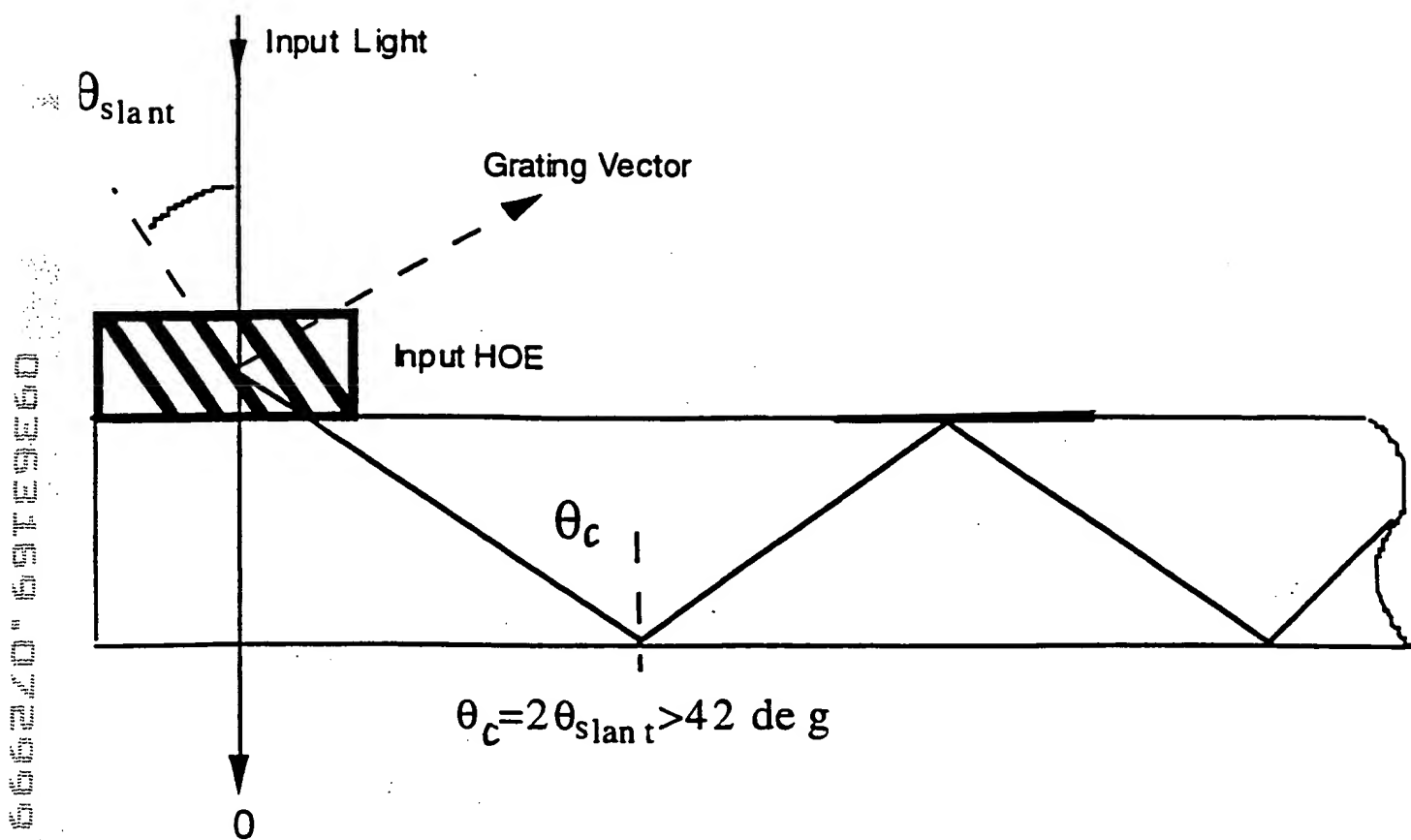
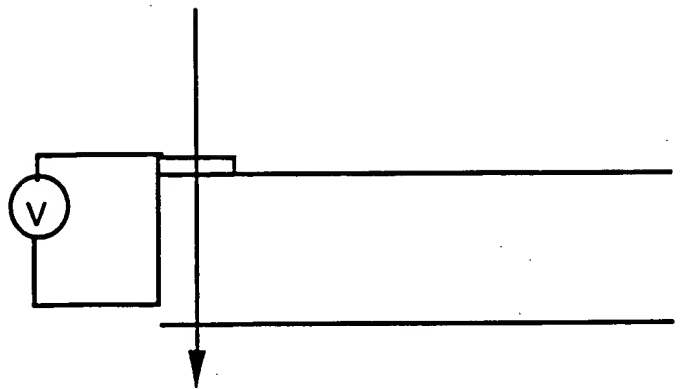
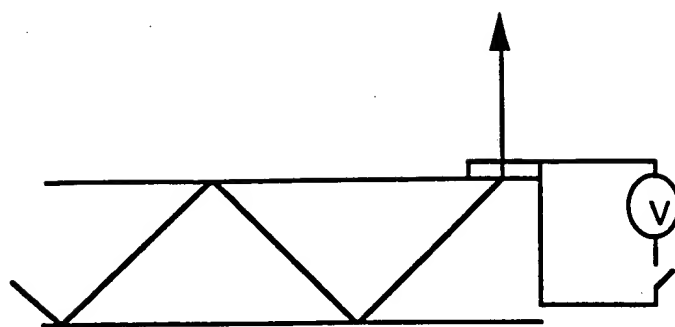


FIGURE 21



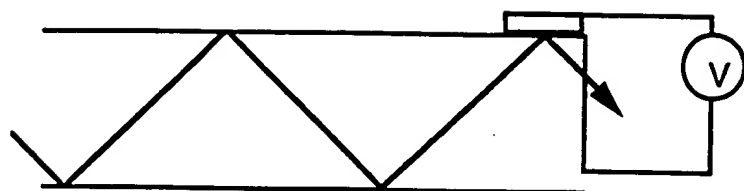
Voltage-On: Transmission Mode

FIGURE 22



Voltage-Off: Switch-Out Mode

FIGURE 23



Voltage-On: Substrate Mode

FIGURE 24



666240" 6979260

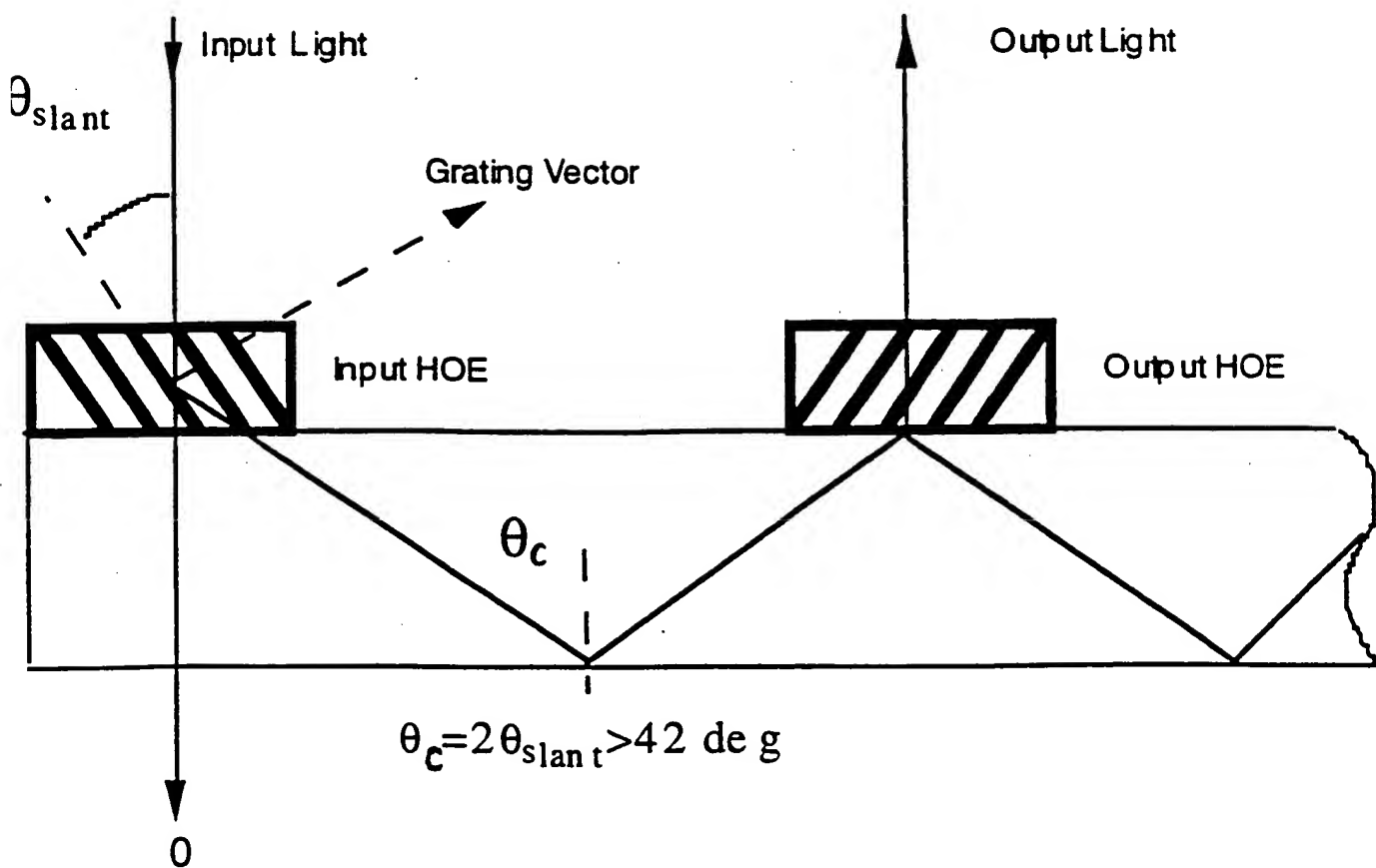


FIGURE 25

66220-97980

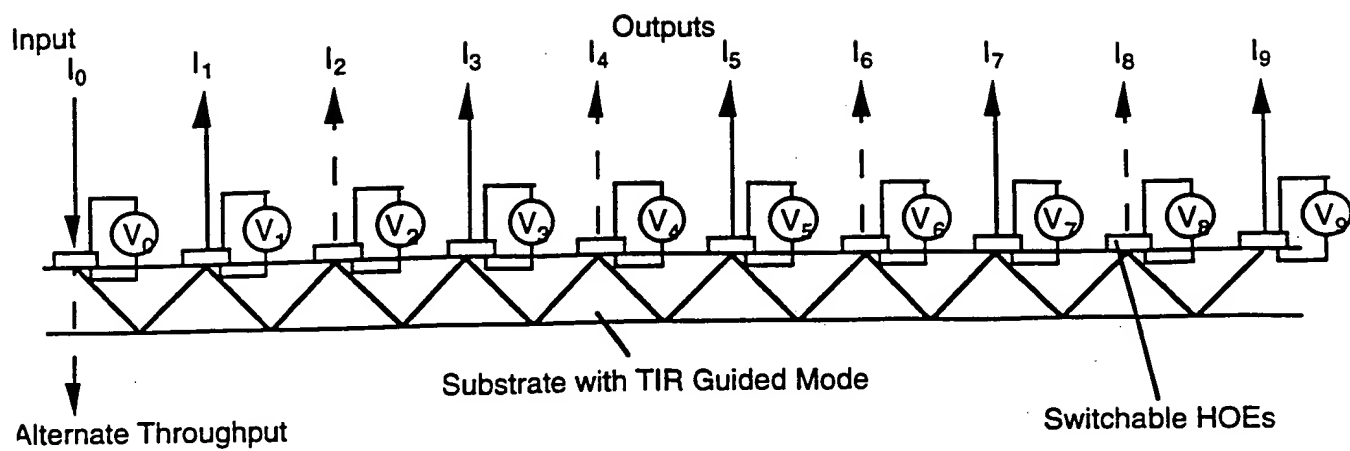


FIGURE 26

655220" 69T2960

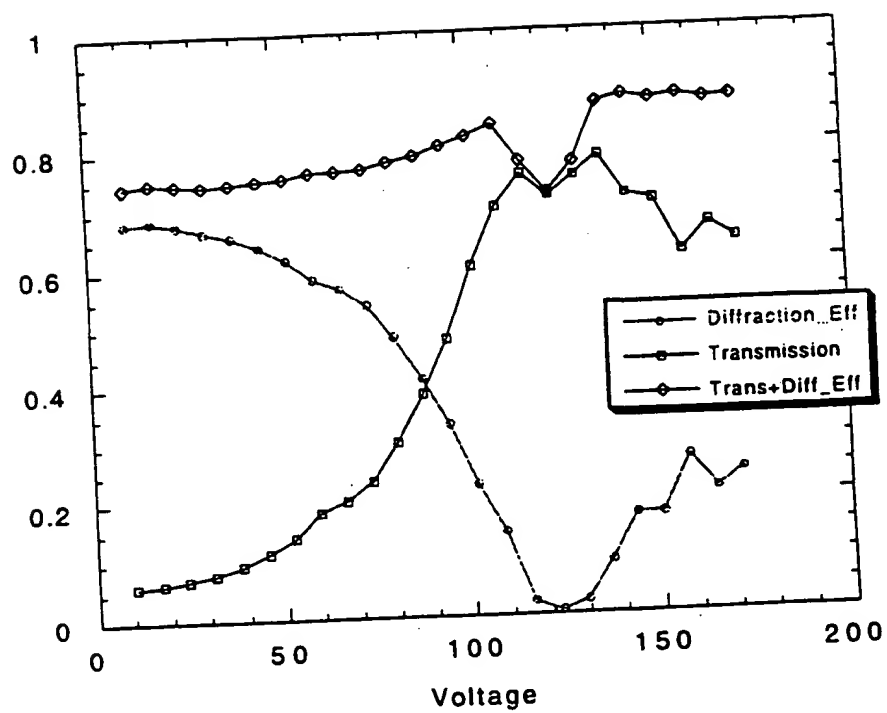


FIGURE 27

0935169-07099

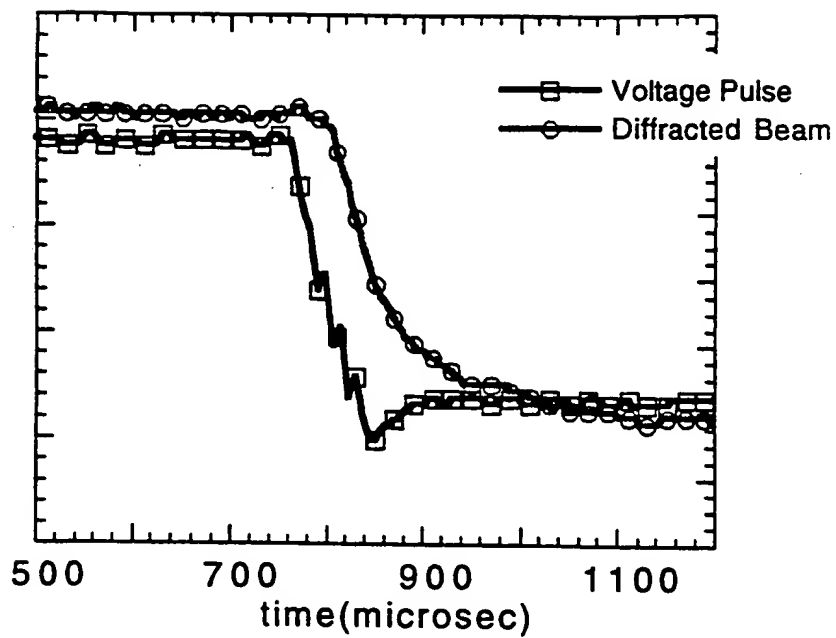


FIGURE 28

666220" STEE60

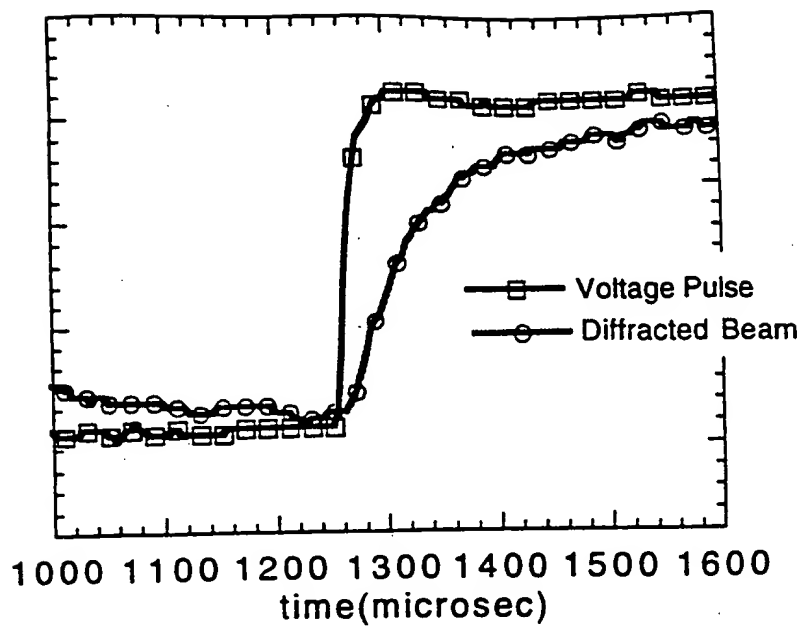


FIGURE 29

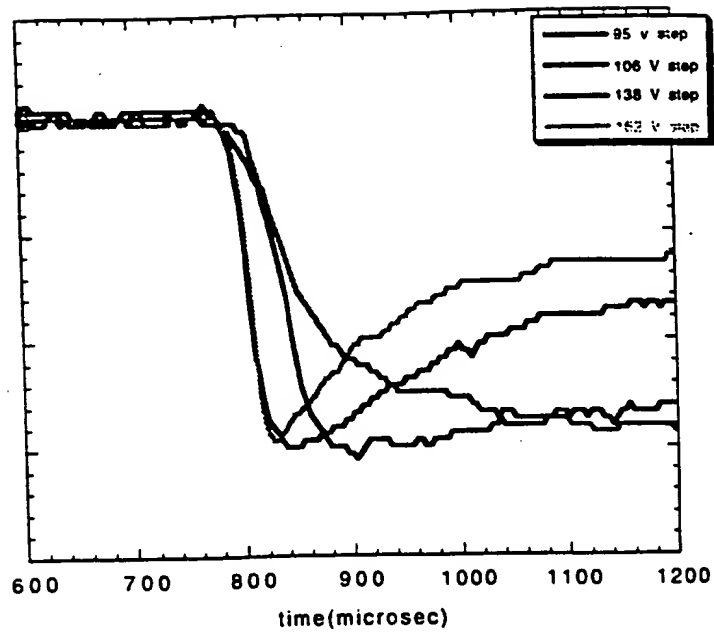


FIGURE 30